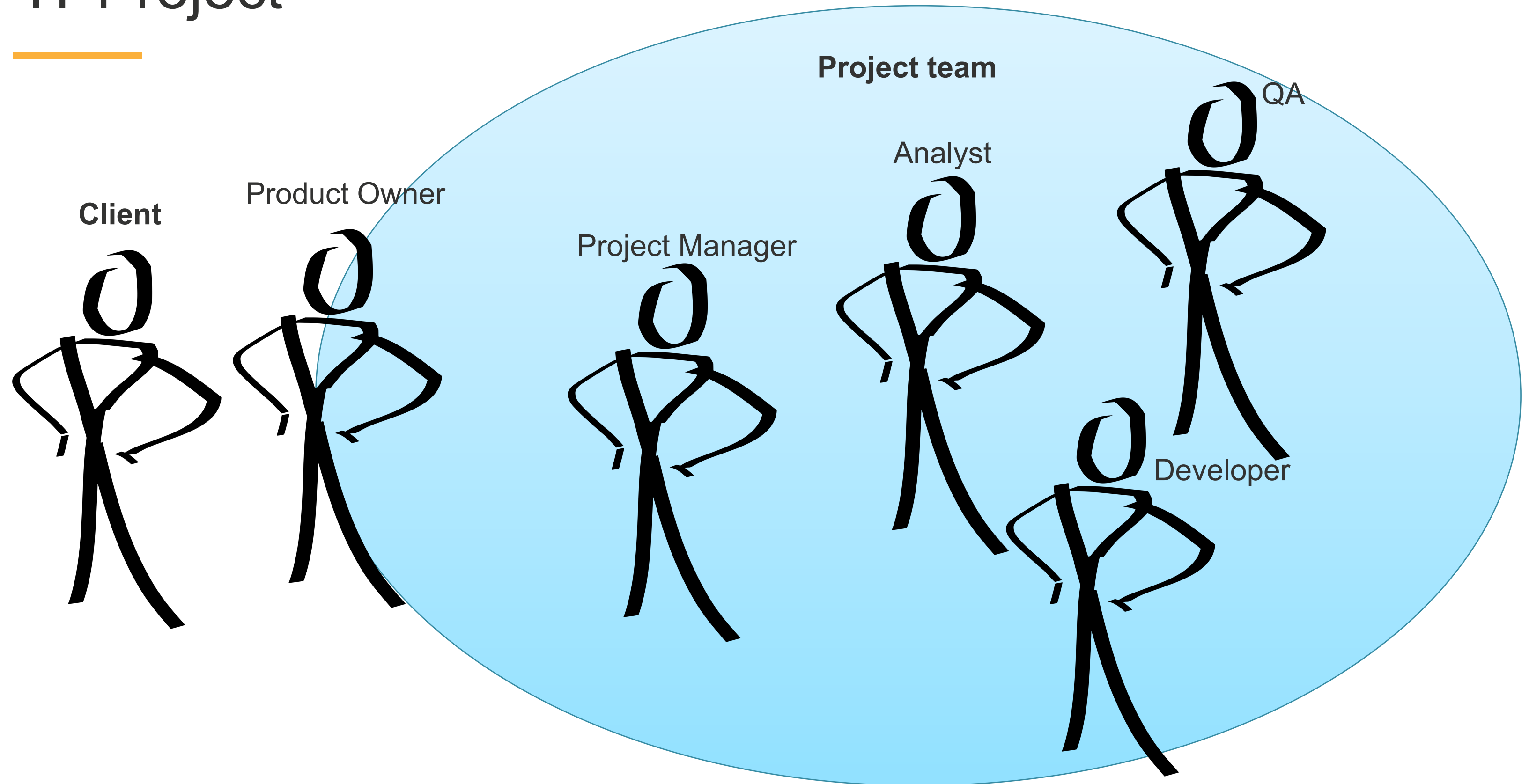DataArt
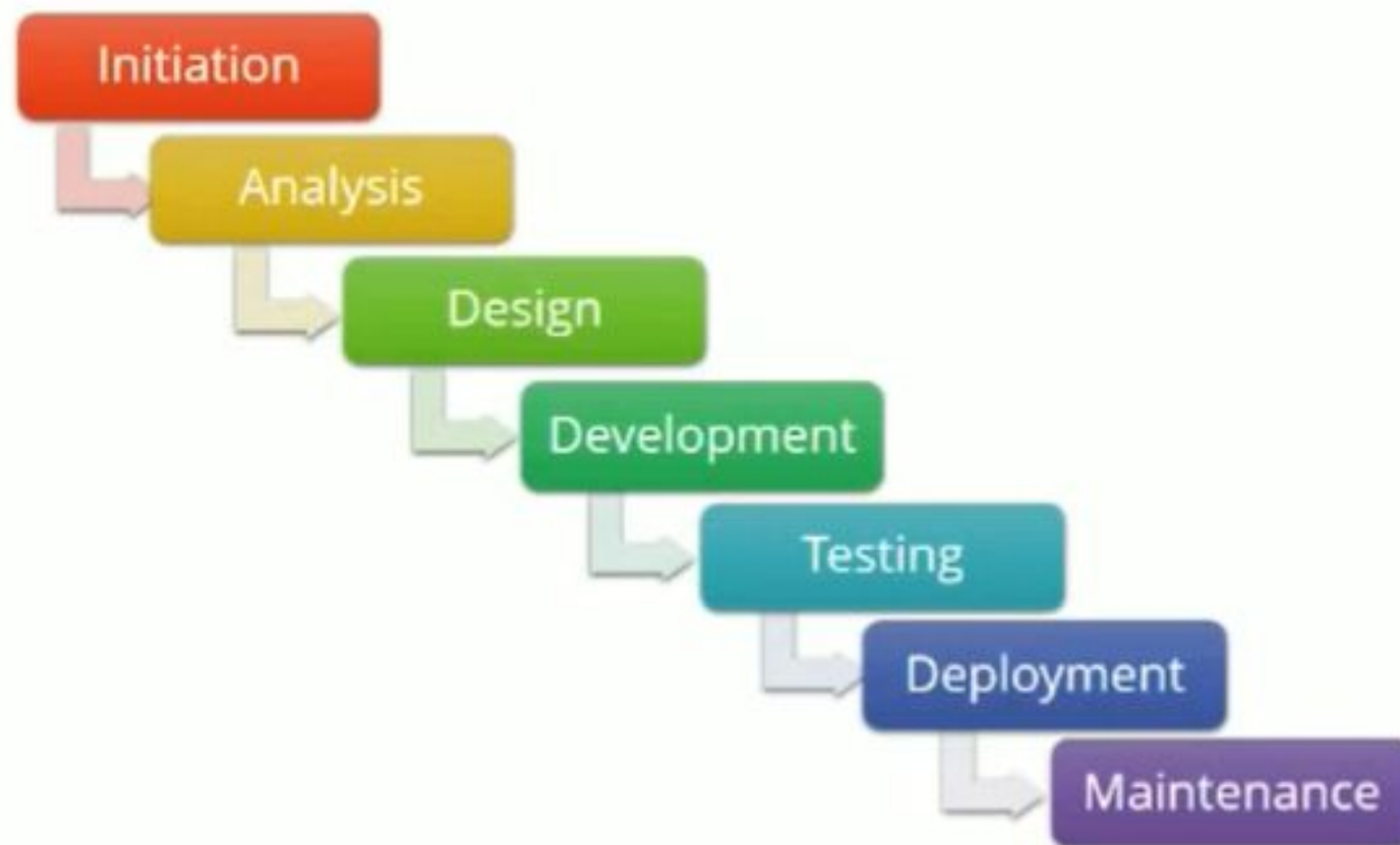
IT Project

Waterfall

Initiation (фаза предпроектного анализа)

- Problem Analysis

- Goals and objectives definitions

- Stakeholders analysis

- Current process analysis (BABOK 6.1)

- Competitors analysis

- …

- Solution definition, presentation and approval

Analysis

- Requirements elicitation (BABOK c.4)

- Requirements analysis (BABOK c.7)

- Requirements prioritization (BABOK 5.3)

- Requirements approval (BABOK 5.5)

Analysis

Document types:

- Vision document

- Functional requirements specification (Use cases) (BABOK 10.47)

- Non-functional requirements specifications

Analysis: Use Cases

Properties	Descriptions
Use Case No	01
Use Case Name	Log in
Description	This use case defines the process by which user logs in the system and becomes the registered user.
Actor(s)	Anonymous User
Pre-condition	None
Post-condition	User is logged in the system and has the rights according to his role. User is redirected to the Home Page.
Main Flow	1. Enter username and password (at the top right of the screen) 2. Press "Log in" button
Alternate Flow	None
Exceptions	If in the Main Flow the actor enters an invalid username and/or password, the system displays an error message. The actor can choose to either return to the beginning of the Main Flow or cancel the login, at which point the use case ends.
Related Use-Cases	
Special Requirements	

Analysis: Use Cases Diagrams

Design

Who:

- Busyness Analyst

- Subject Matter Experts

- Solution Architect

What:

- Technical Specifications

- Solution Requirements

- …

Development
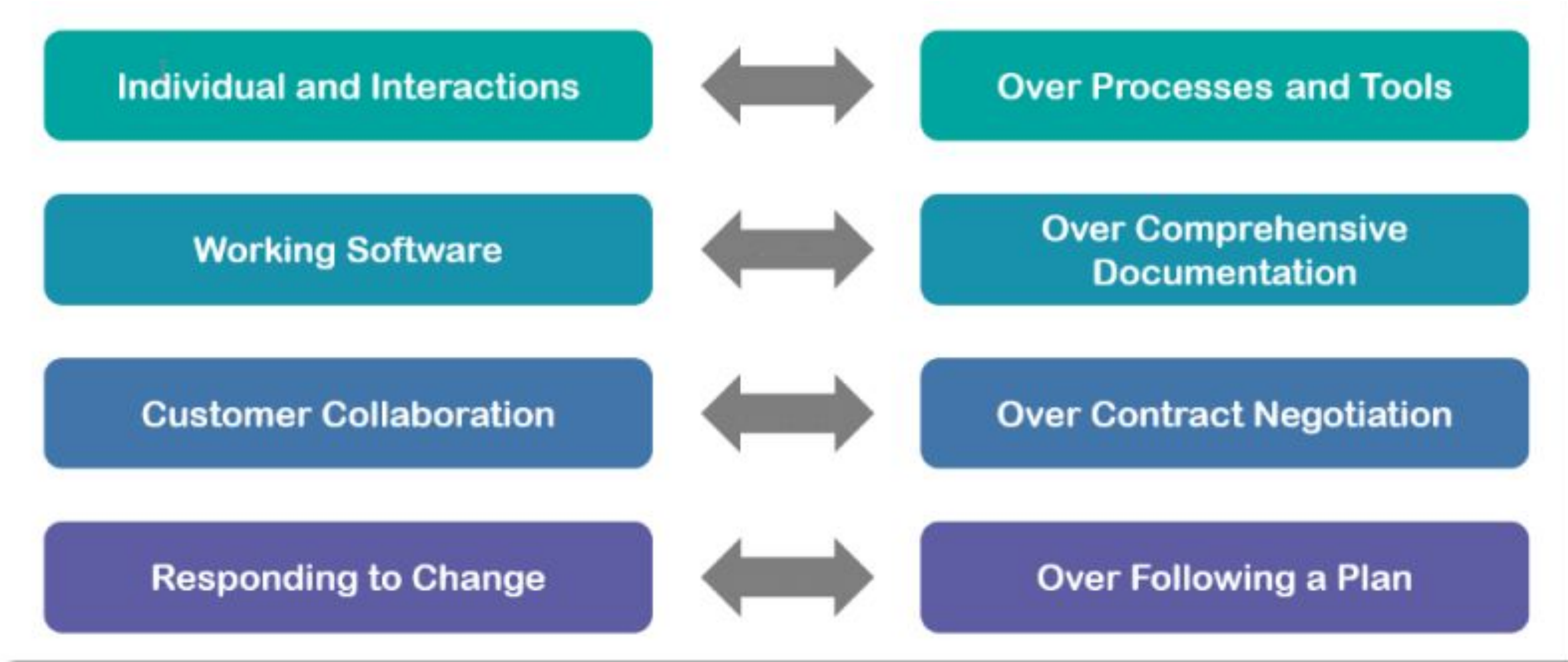
- Clarification
- Clarification
- Clarification
- …

Testing

- Acceptance testing;

- Test documentation review

- Clarification

- Clarification

- Clarification

- …

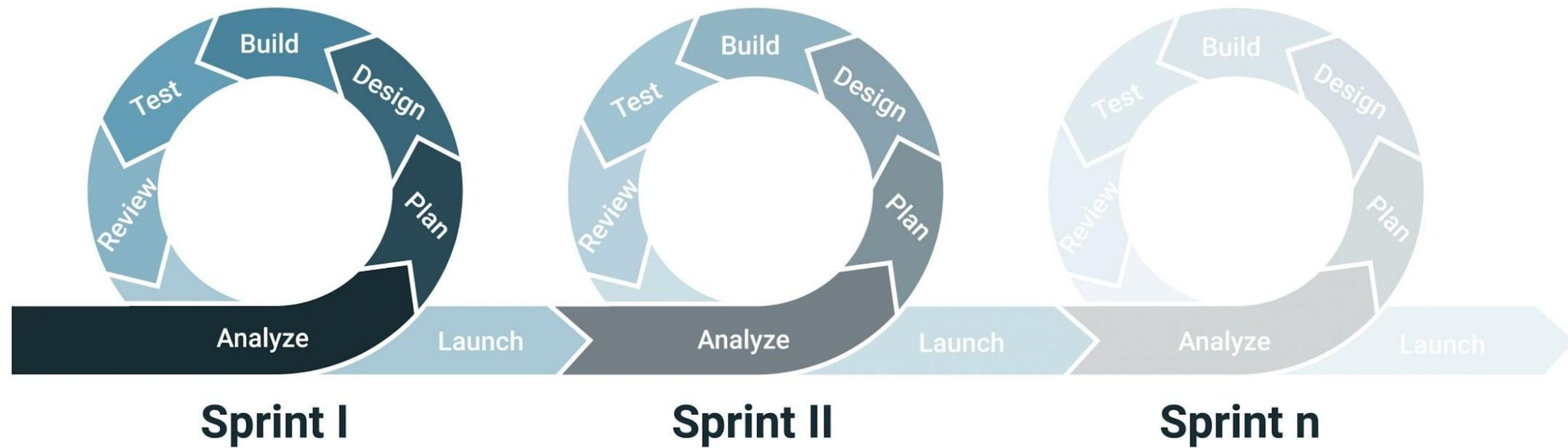# Agile and The Agile Manifesto

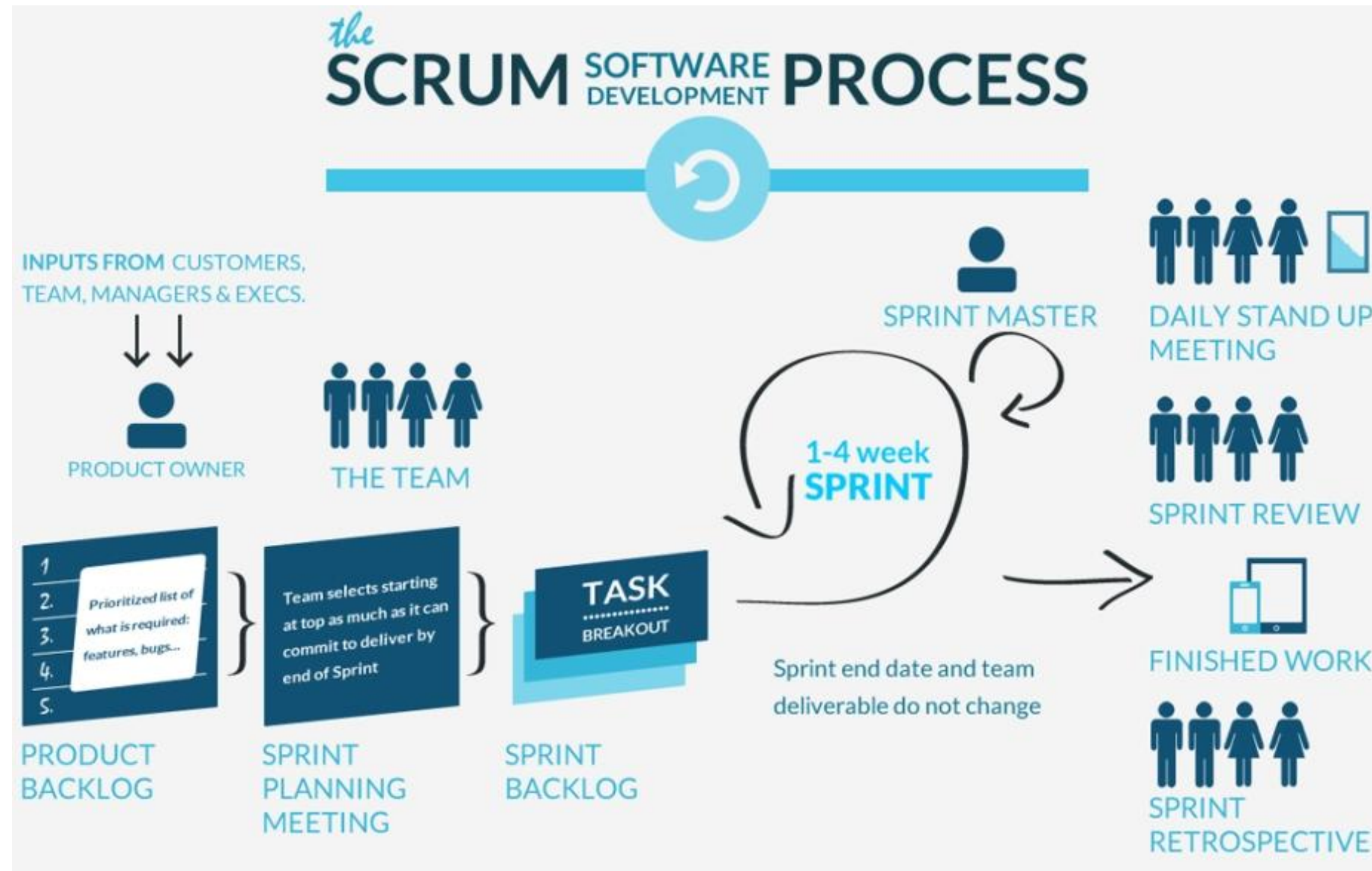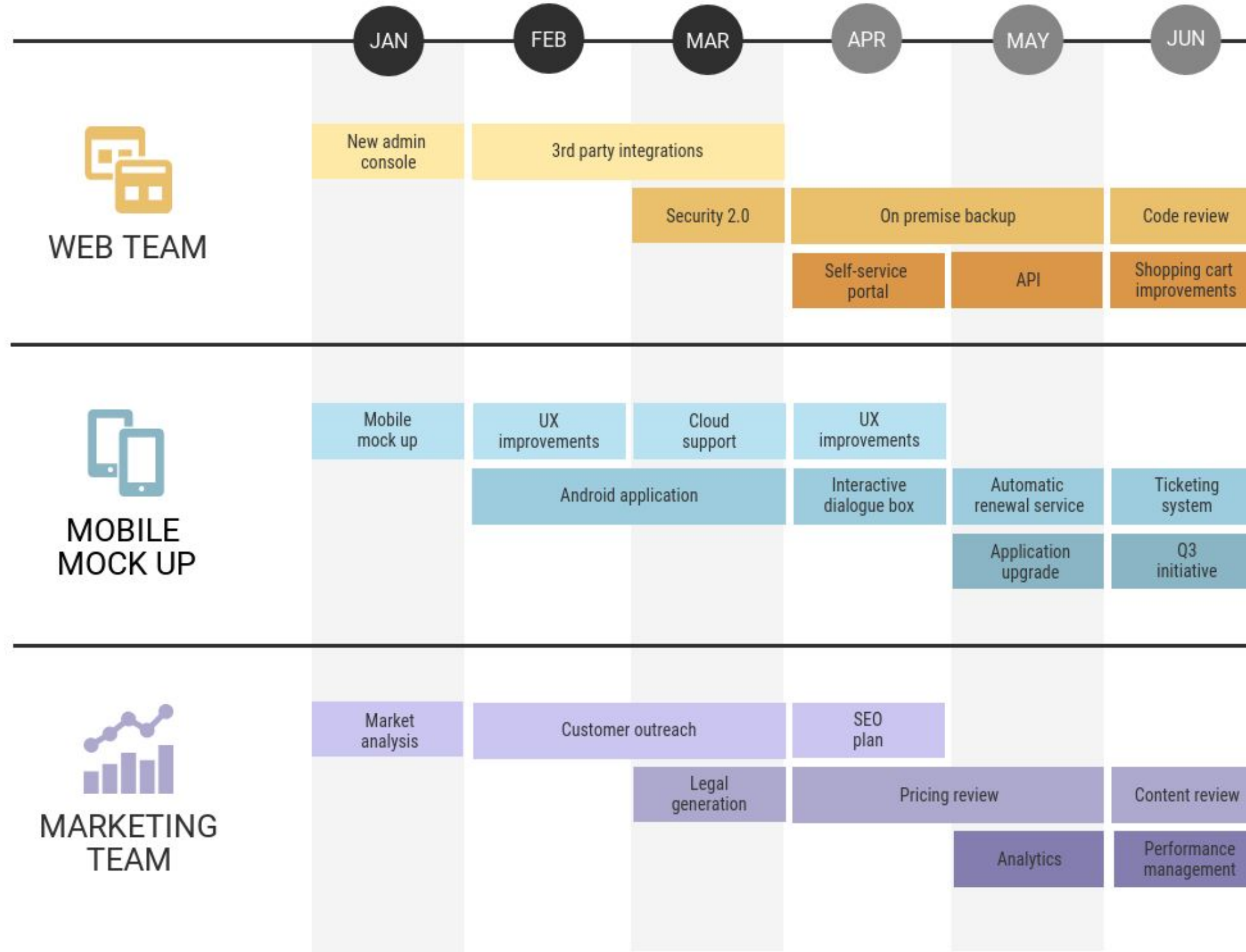# Agile Methodology

Scrum Framework

Roadmap

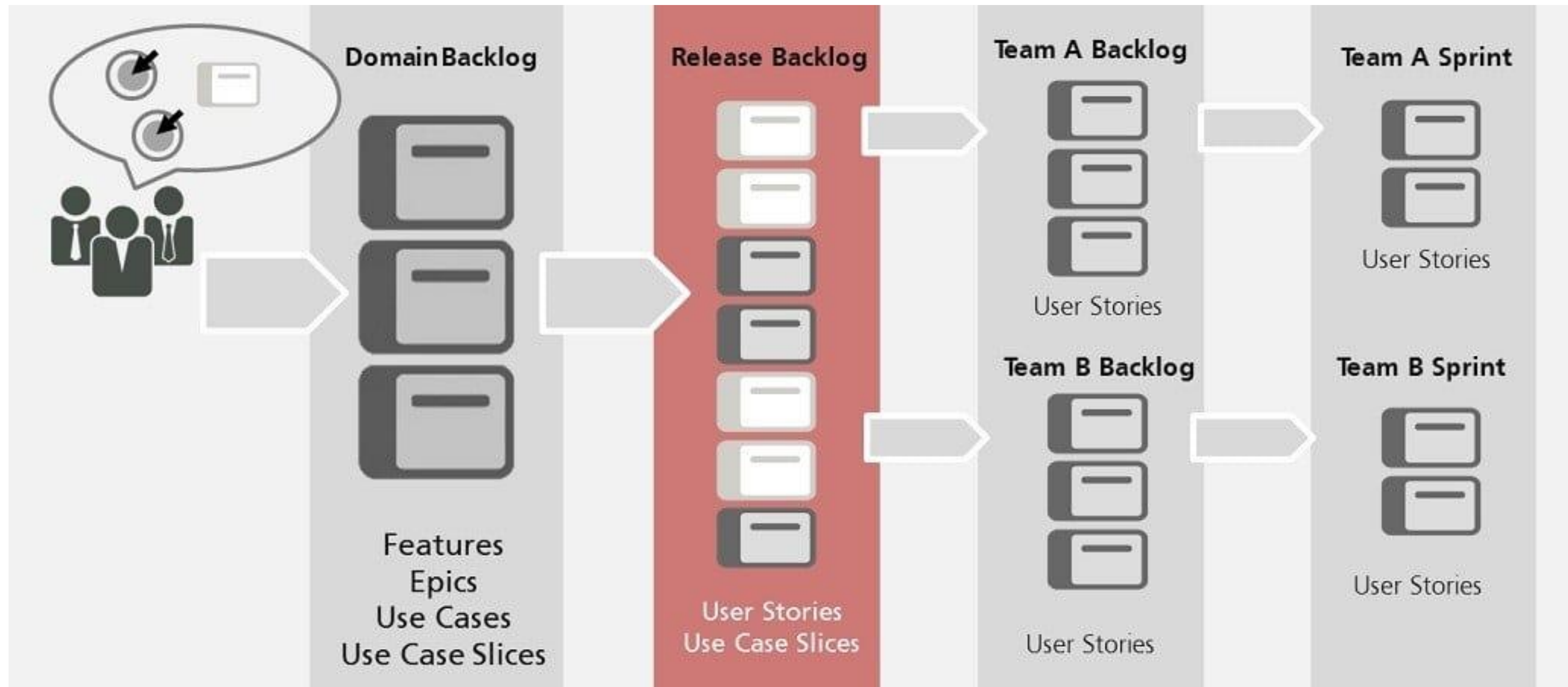ADVENT CO. // **ENVISION 6.0** // PRODUCT ROADMAP

● Q1   ● Q2

JAN · FEB · MAR · APR · MAY · JUN

WEB TEAM

New admin console	3rd party integrations				
		Security 2.0	On premise backup		Code review
			Self-service portal	API	Shopping cart improvements

MOBILE MOCK UP

Mobile mock up	UX improvements	Cloud support	UX improvements		
	Android application		Interactive dialogue box	Automatic renewal service	Ticketing system
				Application upgrade	Q3 initiative

MARKETING TEAM

Market analysis	Customer outreach		SEO plan		
		Legal generation	Pricing review		Content review
				Analytics	Performance management

Backlog

Possible places of BA

DataArt

Where a Business Analyst can be?

- Product owner

- Proxy Product Owner

- Team Member

User Story

As a <type of user>, I want <some goal> so that <some reason>

Example:

As a Purchaser on a website, **I want** the ability to pay with a credit card, **so that** I can immediately confirm my order

User Story with Acceptance Criteria

DataArt

Example:

As a Purchaser on a website, **I want** the ability to pay with a credit card, **so that** I can immediately confirm my order

Acceptance criteria:

- Accept Visa, Mastercard

- Validate card number when entered

- Validate expiration date and CVV

- Generate success and failure messages after processing

Given-When-Then

DataArt

GIVEN
- In this step we are putting the system into known state by defining start data. For example we can put some data into database, set up environment data and so on.

WHEN
- This step defines a key action. It means that in this part of the test system does think what we expect from him.

THEN
- This is a verification step. In this part we observe system output, we check if system behave in the expected way or not and we draw conclusions.

Useful Links

DataArt

[What is SDLC](#)

[Waterfall Model](#)

[SDLC Waterfall Model](#)

[Waterfall Model](#)

[Agile in SDLC](#)

[Agile Model](#)

[SDLC Tutorial](#)

[Software Development Life Cycle](#)

[Manifesto](#)